

Appl. No. : 10/773,667
Filed : February 6, 2004

AMENDMENTS TO THE CLAIMS

Please amend Claims 1, 5 and 16; cancel Claims 4 and 17; and add new claims 20-23, as follows:

1. (Currently amended) An eyeglass lens, comprising:
a first layer comprising a first lens having a constant index of refraction; and
a second layer comprising a material having a varying index of refraction; and
a third layer comprising a second lens, the second layer being sandwiched between the first layer and the third layer;
the first and third layers being configured to substantially correct at least a first aberration of a patient's eye selected from the group consisting of spherical aberration and cylindrical aberration; and
the second layer being configured to substantially correct at least a second aberration of the patient's eye.
2. (Original) The eyeglass lens of Claim 1 in which the first aberration of the patient's eye is a lower order aberration.
3. (Original) The eyeglass lens of Claim 2 in which the second aberration of the patient's eye is a higher order aberration.
4. (Canceled)
5. (Currently amended) The eyeglass lens of Claim [[4]] 1 in which the second aberration of the patient's eye is a higher order aberration.
6. (Original) The eyeglass lens of Claim 1 in which the second layer comprises a super-vision zone.
7. (Original) The eyeglass lens of Claim 6 in which the second layer further comprises a transition zone.
8. (Original) The eyeglass lens of Claim 1 in which the eyeglass lens is a progressive addition lens.
9. (Original) The eyeglass lens of Claim 8 in which the second layer comprises a short distance viewing zone.
10. (Original) The eyeglass lens of Claim 8 in which the first aberration of the patient's eye is a lower order aberration.

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11. (Original) The eyeglass lens of Claim 10 in which the second layer comprises a short distance viewing zone.
12. (Original) The eyeglass lens of Claim 11 in which the second layer further comprises a super-vision zone.
13. (Original) The eyeglass lens of Claim 1 in which the eyeglass lens is a reading lens comprising a normal vision zone and a super-vision zone.
14. (Original) The eyeglass lens of Claim 1 in which the first lens is a lens blank.
15. (Original) The eyeglass lens of Claim 1 in which the second lens is a lens blank.
16. (Currently amended) An eyeglass lens, comprising:
a first layer comprising a first lens having a constant index of refraction; and
a second layer comprising a material having a varying index of refraction; and
a third layer comprising a second lens, the second layer being sandwiched between the first layer and the third layer;
the first and third layers being configured to correct a first portion of an aberration of a patient's eye to within 0.25 diopters; and
the second layer being configured to correct a second portion of the aberration of the patient's eye.
17. (Canceled)
18. (Original) The eyeglass lens of Claim 16 in which the first lens is a lens blank.
19. (Original) The eyeglass lens of Claim 16 in which the second lens is a lens blank.
20. (New) An eyeglass lens, comprising:
a first layer comprising a first lens having a constant index of refraction; and
a second layer comprising a material having a varying index of refraction; and
a third layer comprising a second lens, the second layer being sandwiched between the first layer and the third layer;
the first and third layers being configured to substantially correct at least a first aberration of a patient's eye; and
the second layer being configured to substantially correct at least a second aberration of the patient's eye;
wherein the first lens is a lens blank.
21. (New) An eyeglass lens, comprising:

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a first layer comprising a first lens having a constant index of refraction; and
a second layer comprising a material having a varying index of refraction; and
a third layer comprising a second lens, the second layer being sandwiched
between the first layer and the third layer;

the first and third layers being configured to substantially correct at least a first
aberration of a patient's eye; and

the second layer being configured to substantially correct at least a second
aberration of the patient's eye;

wherein the second lens is a lens blank.

22. (New) An eyeglass lens, comprising:

a first layer comprising a first lens having a constant index of refraction; and
a second layer comprising a material having a varying index of refraction; and
a third layer comprising a second lens, the second layer being sandwiched
between the first layer and the third layer;

the first and third layers being configured to correct a first portion of an aberration
of a patient's eye; and

the second layer being configured to correct a second portion of the aberration of
the patient's eye;

wherein the first lens is a lens blank.

23. (New) An eyeglass lens, comprising:

a first layer comprising a first lens having a constant index of refraction; and
a second layer comprising a material having a varying index of refraction; and
a third layer comprising a second lens, the second layer being sandwiched
between the first layer and the third layer;

the first and third layers being configured to correct a first portion of an aberration
of a patient's eye; and

the second layer being configured to correct a second portion of the aberration of
the patient's eye;

wherein the second lens is a lens blank.